

The Honorable Julius Genachowski  
Chairman, Federal Communication Commission  
Room 8-B201  
445 12th Street, SW  
Washington, DC 20554

Subject: FCC File No. SAT-Mod-20101118-00239, LightSquared Subsidiary LLC Request for  
Modification of Its Authority for an Ancillary Terrestrial Component

Dear Mr. Genachowski:

As a GPS user, I am concerned that the subject proposal will interfere with GPS receiver operation. I am writing to ask that the GPS national utility remain free of impediments to operation for more than 75 million North American GPS users.

I urge the FCC to conduct technical interference analysis BEFORE granting a waiver to effectively allow a reallocation of spectrum use from mobile satellite space service to terrestrial wireless service that is adjacent to the band where GPS operates. Further, I urge the FCC to consider this request from LightSquared under the Notice of Proposed Rule-Making process initiated in ET Docket No. 10-142 to ensure adequate opportunity for public comment.

This is not simply a “turf war” over spectrum allocation. It is a public safety issue. The LightSquared proposal is likely to result in an unreliable GPS signal, with the following effects:

- Inability of emergency responders to effectively answer calls;
- Loss of pilots’ primary means of navigation during a final approach to landing while in instrument conditions;
- Disruption of training exercises for military service members who routinely use commercial GPS systems; and
- Loss of the precise timing provided by GPS which is essential for operation of the financial system, power grid network synchronization, and cellular telephone system synchronization and cost accounting.

Furthermore, the U.S. GPS constellation is currently undergoing an \$8 billion upgrade. Approval of the LightSquared proposal without adequate testing will result in a poor return on this huge taxpayer investment.

Respectfully,

John M. Smyser